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# VGN-SR590FHB

VAIO® SR Series Notebook PC

## Serious power, uncompromising class

### POWERFUL MOBILE PC PERFORMANCE

Enjoy the powerful performance of an Intel® Core™ 2 Duo P8700 processor (2.53GHz[1]) and 4GB of pre-installed RAM.

The VAIO® SR notebook comes pre-installed with Genuine Microsoft® Windows® 7 Home Premium[17].

Thin, lightweight and durable magnesium alloy chassis weighs just over 4 pounds[5] (with standard battery).

Tackle virtually any graphics requirement with an ATI HD 4570 graphics card and 512MB of dedicated video RAM.

Store your important documents, business presentations and corporate projects on the roomy 320GB[2] Serial ATA hard disk drive.

### STUNNING MULTIMEDIA

A 13.3"[4] (1280x800) widescreen, LED backlit display uses power-efficient technology and delivers dazzling colors and stunning picture clarity.

Take advantage of the convenience and utility of DVD and CD read/write functionalities.

An HDMI™ output delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen TV without a myriad of extra cables (HDMI™ cable sold separately).

Editing digital video is quick and easy with VAIO® Movie Story software. You choose the supplied template and professional-looking cutaways, cross-fades and soundtrack syncing are automatically done for you.

### SECURE AND DURABLE

A built-in biometric fingerprint scanner makes authentication and secure access quick and easy – you only need your fingerprint.

G-Sensor™ Shock Protection technology locks up your hard disk drive when it senses a sudden movement to secure its position and help protect the disk from scratching.

### "SWITCH" YOUR PERSPECTIVE

Separate your business workspace from your personal workspace. VAIO® Switch mode is a set of buttons above the keyboard that lets you set three distinct usage "personalities", or modes, to your SR notebook.

The powerful, portable and durable VAIO® SR notebook features a magnesium alloy casing, Intel® Centrino® 2 processor technology, long battery life and a 13.3"[4] LED backlit widescreen (1280x800) display. Customize your SR notebook with completely different on-screen "personalities" for home, work and play using the ingenious "Switch" mode.

Look for Intel Inside

Windows 7

ATI RADEON PREMIUM GRAPHICS

G-SENSOR

HDMI

Bluetooth

WiFi CERTIFIED

RoHS COMPLIANT

ENERGY STAR

VAIO

# VGN-SR590FHB

## VAIO® SR Series Notebook PC

## Specifications

### General

Computer Type: Notebook
Type of Use: Ultra-portable
Action Buttons: Switch Mode
Pointing Device: Electro-static touch pad
Security: Biometric Fingerprint Sensor

### Hardware

Keyboard: QWERTY, 82 keys with 2.0mm stroke and 19.05mm pitch
Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology

### Processor

Type: Intel® Core™ 2 Duo Processor P8700
Speed: 2.53GHz[1]
Front Side Bus Speed: 1066MHz
L2 Cache: 3MB
Technology: Intel® Centrino® 2 processor technology

### Memory

Installed: 4GB PC2-6400 (2GBx2)
Maximum: 8GB
Type/Speed: DDR2/800MHz

### Hard Drive

Capacity: 320GB[2]
Speed: 7200rpm
Type: Serial ATA
Impact Protection: G-Sensor™ Shock Protection - Hard Disk Drive Protection[14]

### Optical Drive

CD Support: Read / Write (CD/-R/-RW)
DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

### Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (Standard / Duo) media slot with MagicGate® functionality
One ExpressCard® /34 media slot
One Secure Digital (SD memory card) media slot

### Audio

Sound System: Intel® High Definition Audio

### Display

Screen Size: 13.3"[4]
Resolution: 1280 x 800
Back Light Technology: LED

### Graphics

Processor: ATI Mobility Radeon™ HD 4570 Total Available Graphics Memory of 2287MB (max.)[11]
Video RAM: 512MB dedicated Video RAM
Chipset: Mobile Intel® PM45 Express Chipset
Max. External Resolution via VGA: 2048 x 1536
Max. External Display Resolution via HDMI™ : 1920 x 1080[20]

### Inputs and Outputs

Modem Jack: 1
Microphone Input: 1
Port Replicator Connector(s): 1 (Bottom)
USB Port(s): 2 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[7]
Headphone Output(s): 1
Ethernet Connection (s): 1
HDMI™ Output: 1

### Power

Battery Type: Standard Capacity Lithium-ion Battery
Estimated Battery Life: Up to 6.5 hours[8] Standard Capacity Battery
Up to 9.5 hours[8] Large Capacity Battery
Power Requirements: 121W + 10%

### Start-up Times

Average Boot Time: 60 sec[22]
Average Resume Time from Suspend: 2 sec[22]
First Boot Time: 5 min[21]

### Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX
Ethernet Speed: Fast Ethernet (RJ-45)
Wi-Fi: Intel® WiFi Link 5100AGN (802.11a/b/g/n)[3]
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Bluetooth Technology: Integrated Stereo A2DP (2.1 + EDR)[16]

### Software

Operating System: Microsoft® Windows® 7 Home Premium 64-bit[14]
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007[15]
The VAIO® Software Experience: VAIO Care™ - System diagnostics and maintenance
VAIO® Multimedia Suite: VAIO® Movie Story - Simple Movie Creation
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.
Anti-Virus Software: Norton Internet Security™ 2009 30-Day Trial Offer[18]

### Service and Warranty Information

Telephone Support: 1 year toll-free technical assistance available 24/7[10] at 888-476-6972
Online and Email Support: Available at http://www.esupport.sony.com/EN/VAIO
Onsite/In-Home Service: 1 year limited warranty with Onsite/In-Home Service[19]. See actual warranty for details.
International Service: 1 year international service plan. Registration required. See www.sony.com/IRSP for details.
Limited Warranty Term: 1 year limited warranty[9]. See actual warranty for details.

### Environmental Information

EPEAT™ : Gold
ENERGY STAR®: 5.0

### Dimensions

Weight: 4.39 lbs[5] (with standard battery)
Measurements: 12.4"(W) x 0.98-1.34"(H) x 9.2"(D)[5,6]

### Supplied Accessories

Standard Capacity Lithium-ion battery
AC Adapter
Power Cord

### Optional Accessories

Additional Standard Capacity Battery (VGP-BPS13A/B)
Large Capacity Battery (VGP-BPL13)
Stick AC Adapter (VGP-AC19V30)
VAIO® Protection Case (VGP-CKSR1)
Bluetooth® Laser Mouse[16] (VGP-BMS33/B)
Bluetooth® Remote Mouse[16] (VGP-BMS77)
Bluetooth® Keyboard[16] (VGP-BKB1)
Neoprene Case (VGP-AMC1)
Notebook Backpack (VGP-CCP3/H)

Color: Night Black
UPC Code: 027242786349

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Non-metric weights and measures are approximate and may vary.
6. Measured at the narrowest point
7. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
8. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
9. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
10. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor.
11. Total Available Graphics Memory refers to the new Windows 7® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
12. Broadband Internet service required along with third party services which may require a subscription or other service fee.
14. Windows 7® is required for functionality of G-Sensor™ Shock Protection.
15. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you don't activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
16. Interoperability and compatibility among Bluetooth® devices vary.
17. Compatibility and performance in a 64 bit environment may vary. Check with the manufacturer of your software or accessory to ensure you have the latest updates.
18. Norton Internet Security™ 2009 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
19. When available, Sony will provide Onsite/In-Home Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite/In-Home Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite/In-Home Service may not be available in all locations.
20. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
21. Excluding end user interaction.
22. Based on original factory image and will vary with product configuration changes and additional software added to the hard drive.

Computer Interface: For this product there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
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